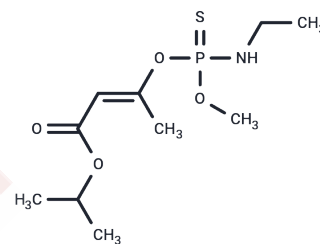


Propetamphos

Chemical Properties

CAS No. :	31218-83-4
Formula:	C ₁₀ H ₂₀ NO ₄ PS
Molecular Weight:	281.31
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Propetamphos, an organophosphate pesticide, can effectively control cockroaches, flies, mosquitoes, and other pests. It is also effective for cattle lice.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5548 mL	17.774 mL	35.548 mL
5 mM	0.711 mL	3.5548 mL	7.1096 mL
10 mM	0.3555 mL	1.7774 mL	3.5548 mL
50 mM	0.0711 mL	0.3555 mL	0.711 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Eraslan G, Kanbur M, Siliğ Y, Karabacak M, Soyer Sarica Z, Şahin S. The acute and chronic toxic effect of cypermethrin, propetamphos, and their combinations in rats. *Environ Toxicol*. 2016 Nov;31(11):1415-1429. doi: 10.1002/tox.22147. Epub 2015 Apr 30. PubMed PMID: 25926273.
- Ismail M, Al-Taher AY. Effect of propetamphos on the male rats reproductive system. *Environ Toxicol Pharmacol*. 2011 Mar;31(2):333-8. doi: 10.1016/j.etap.2011.01.001. Epub 2011 Jan 18. PubMed PMID: 21787702.
- Cetin E, Kanbur M, Silici S, Eraslan G. Propetamphos-induced changes in haematological and biochemical parameters of female rats: protective role of propolis. *Food Chem Toxicol*. 2010 Jul;48(7):1806-10. doi: 10.1016/j.fct.2010.04.010. Epub 2010 Apr 10. PubMed PMID: 20385195.
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